bio-protocol Preprint

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Lipid content measurement

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An abbreviated version of this protocol was published in Cancer Res in Feb 2020

Enhanced lipid accumulation and metabolism are required for the differentiation and activation of tumor-associated macrophages

DOI: 10.1158/0008-5472.CAN-19-2994

Detailed protocol

Cellular lipid content was measured using BODIPY 493/503. The collected cells were washed with PBS three times, and then the washed cells were stained with BODIPY493/503 contained PBS solution (1 uL dye in 100 uL PBS for 0.5-1M cells) for 15 minutes at room temperature and examined immediately using both confocal microscopy and flow cytometry. Pleaes pay more attention, during this process, any FBS or protein existed will lead to failur of this experiment. So FBS or BSA-free PBS was used to stain.

How to cite:(Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Su, P. , Wang, Q. and Yi, Q. (2022). Lipid content measurement. Bio-protocol Preprint. bio-protocol.org/prep1711.
2. Su, P., Wang, Q., Bi, E., Ma, X., Liu, L., Yang, M., Qian, J. and Yi, Q.(2020). Enhanced lipid accumulation and metabolism are required for the differentiation and activation of tumor-associated macrophages. Cancer Res 80(7). DOI: 10.1158/0008-5472.CAN-19-2994